

## ABSTRACT OF THE DISCLOSURE

A buffer circuitry buffers a radio-frequency (RF) signal. The buffer circuitry includes a

complementary pair of switches and a power source. The a complementary pair of switches has

5 an input terminal and output terminal. The input terminal of the complementary pair of switches

responds to the RF signal. The output terminal of the complementary pair of switches couples to

an output of the buffer circuitry. The power source includes a capacitor coupled to a current

source. The power source couples to the complementary pair of switches. The power source

supplies power to the complementary pair of switches in a manner that the buffer circuitry

10 supplies a substantially constant power level at its output.